



# Herbicide Recommendations for Volunteers in Dane County Parks

Natural Areas Volunteer Handbook Revised: February 2019

This table lists recommended herbicides and application rates for many common invasive and noxious species but it is not meant to be an exhaustive list. Other herbicides, application rates, or techniques may work well, or even better, depending on the circumstances. Multiple factors may affect the efficacy of herbicide, including, but not limited to temperature, precipitation, time of year, and stage of growth. Always read and understand the herbicide label and have it accessible at all time.

**Contact Dane County Staff with questions.**

Target Species	Herbicide Trade Name	Backpack Foliar Rates*	Notes
Aspen	Milestone VM + Garlon 4 Ultra	0.2 oz per gal + 1-2 oz per gal	
Olives	Garlon 4 Ultra	3-4 oz per gal	Alternatives: Milestone, Roundup
Bird's Foot Trefoil	Milestone VM	1/6 oz per gal	
Black Locust	Milestone VM	1/6 oz per gal	
Box Elder	Garlon 4 Ultra	3-4 oz per gal	
Brush Mixture	Garlon 4 Ultra + Escort XP	2-3oz/gal + 0.25 teaspoon/gal	
Buckthorns	Garlon 4 Ultra + Escort XP	2-3oz/gal + 0.25 teaspoon/gal	
Creeping Bellflower	Escort XP	0.25 teaspoon per gal	
Crown Vetch	Milestone VM	1/6 oz per gal	
Dame's Rocket	Garlon 4 Ultra	3-4 oz per gal	Alternatives: Escort, Roundup**
Dogwoods	Garlon 4 Ultra	3-4 oz per gal	
Garlic Mustard	Round Up** <u>OR</u> Garlon 4 Ultra	2-4 oz per gal of either	
Honeysuckles	Escort XP <u>OR</u> Roundup**	0.5 teaspoon/gal Escort <u>OR</u> 3-4 oz/gal Roundup	
Japanese Barberry	Garlon 4 Ultra	3-4 oz per gal	Alternative: Escort
Japanese Hedge Parsley	Escort XP	0.25 teaspoon per gal	Alternative: Garlon
Japanese Hops	Garlon 4 Ultra	3-4 oz per gal	Alternative: Milestone, Escort
Japanese Knotweed	Milestone VM	0.5 oz per gal	Best after Aug 1. Alternative: Polaris
Leafy Spurge	Method	0.5 oz per gal	Add 1.5 3oz MSO/gal water
Multiflora Rose	Escort XP	0.25 teaspoon per gal	
Oriental Bittersweet	Garlon 4 Ultra	3-4 oz per gal	Alternative: Polaris
Phragmites	Polaris	1.5 oz per gal	
Poison Ivy	Garlon 4 Ultra	3-4 oz per gal	
Prickly Ash	Garlon 4 Ultra	3-4 oz per gal	
Purple Loosestrife	Polaris	0.75 oz per gal	Alternative: Aquatic glyphosate
Reed Canary Grass	Roundup** <u>OR</u> Intensity	3-4 oz per gal <u>OR</u> 0.8 oz per gal	
Spotted Knapweed	Milestone VM	1/6 oz per gal	
Sumac	Escort XP <u>AND</u> Milestone	0.25 teaspoon per gal <u>AND</u> 1/6 oz per gal	
Sweet Clovers	Milestone VM	0.3 oz per gal	
Tansy	Escort XP	0.25 teaspoon per gal	
Teasel	Escort XP	0.25 teaspoon per gal	Alternatives: Milestone, Garlon
Thistles	Milestone VM	1/6 oz per gal	Alternative: Transline
Wild Parsnip	Escort XP	0.25 teaspoon per gal	

\*Spray until leaves are wet but herbicide does not run off. Results may vary depending on coverage.

\*\* Add ½ oz Choice/gal water FIRST before adding Roundup

Add ½ -1 oz MSO/gal of water to ALL recipes, unless otherwise noted. MSO (Methylated seed oil) is a surfactant and enhances the activity of the herbicide. Certification and licensing in the Aquatic and Mosquito (5.0) category is required to apply pesticides to waters of the state or below the ordinary high water mark.